

2823

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Kie Y. Ahn et al.

Title: BIPOLAR TRANSISTORS WITH LOW-RESISTANCE EMITTER CONTACTS

Docket No.: 303.466US1

Serial No.: 09/069668

Filed: April 29, 1998

Due Date: N/A

Examiner: W. Coleman

Group Art Unit: 2823

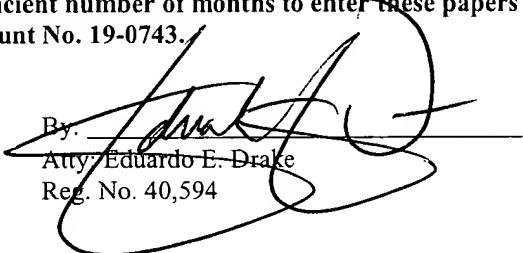
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

We are transmitting herewith the following attached items (as indicated with an "X"):

A return postcard.
 A Supplemental Information Disclosure Statement (2 pgs.), Form 1449 (1 pg.), and copies of 4 cited documents.

Please consider this a PETITION FOR EXTENSION OF TIME for sufficient number of months to enter these papers and please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.
Customer Number 21186

By: 
Atty. Eduardo E. Drake
Reg. No. 40,594

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 15 day of January, 2004.

Amelia M. Lunder
Name

Eduardo E. Drake
Signature

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.
(GENERAL)

S/N 09/069668



PATENT

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Applicant: Kie Y. Ahn et al. Examiner: W. Coleman
Serial No.: 09/069668 Group Art Unit: 2823
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Title: BIPOLEAR TRANSISTORS WITH LOW-RESISTANCE EMITTER CONTACTS

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicants respectfully request that this Supplemental Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicants request that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicants with the next official communication.

Pursuant to 37 C.F.R. § 1.17(p), please charge the \$180.00 and any additional fees or credit any overpayment to Deposit Account No. 19-0743.

The Examiner is invited to contact the Applicants' Representative at the below-listed telephone number if there are any questions regarding this communication.

Respectfully submitted,

KIE Y. AHN ET AL.

By their Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.
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Minneapolis, MN 55402
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Date 15 Jan 2004

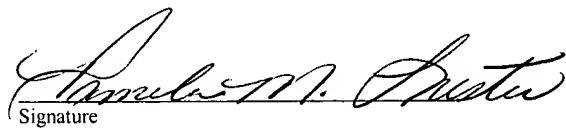
By

Eduardo E. Drake
Reg. No. 40,594

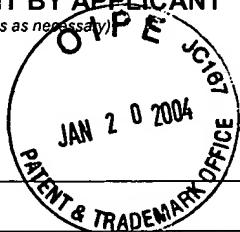
Name

Signature





Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Use as many sheets as necessary)

Complete if Known

Application Number	09/069668
Filing Date	April 29, 1998
First Named Inventor	Ahn, Kie
Group Art Unit	2823
Examiner Name	Coleman, W.

Sheet 1 of 1

Attorney Docket No: 303.466US1

US PATENT DOCUMENTS

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date If Appropriate

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T ²

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		CHERKASOV, Y A., et al., "Optical information media based on an amorphous photoconductor with high avalanche amplification--the amorphous analog of trigonal selenium", <u>Journal of Optical Technology</u> , Vol. 64, No. 7, (July 7, 1997),627-32	
		MOFFATT, W. G., <u>The Handbook of Binary Phase Diagrams</u> , 2, Genium Publishing Corporation,(1984),pg. 6/80	
		SHUTO, SUSUMU , et al., "Read Disturb Degradation Mechanism for Source Erase Flash Memories", <u>1996 Symposium on VLSI Technology, Digest of Technical Papers</u> , Honolulu, HI,(1996),242-43	
		VAN ZANT, PETER , "via-definition", <u>Microchip Fabrication. A Practical Guide to Semiconductor Processing</u> , 3rd Edition, McGraw-Hill, New York, NY,(1997),604	

EXAMINER**DATE CONSIDERED**

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional) ² Applicant is to place a check mark here if English language Translation is attached